

Monte Carlo simulations of Sznajd models

Dietrich Stauffer

Institute for Theoretical Physics, Cologne University
D-50923 Köln, Euroland

www.thp.uni-koeln.de; stauffer@thp.uni-koeln.de

The Sznajd model in less than a year has found several followers. An isolated person does not convince others; a group of people sharing the same opinions influences the neighbours much more easily. Thus on a square lattice, with variables +1 (Democrats) and -1 (Republicans) on every lattice site, a pair (or plaquette) of neighbours convinces its six (eight) nearest neighbours of its own opinion if and only if all members of the pair (plaquette) share the same opinion. The generalization to many possible states is used to explain the distribution of votes among candidates in Brazilian local elections.

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